WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET Nº 7578

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation _____ Formation Douglas Eff. Pay _____ Ft.

District Pratt Date 9-21-80 Customer Order No. _____

COMPANY NAME K.R.M.

ADDRESS 820 Guaranty Bk. Bldg. Denver, Colo.

LEASE AND WELL NO. GRK #1 COUNTY Comanche STATE Ks Sec. 36 Twp. 33S Rge. 20W

Mail Invoice To Same No. Copies Requested Reg
Co. Name Address

Mail Charts To Same No. Copies Requested Reg
Address

Formation Test No. 1 Interval Tested from 4216 ft. to 4419 ft. Total Depth 4419 ft.

Packer Depth 4211 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4216 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4221 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 4223 ft. Recorder Number 11019 Cap. 4500

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor X-PLOR #1 Drill Collar Length 300 ft I. D. 2 1/4 in.

Mud Type MONPAC Viscosity 38 Weight Pipe Length _____ I. D. _____ in.

Weight 9.1 Water Loss 54.6 cc. Drill Pipe Length 3890 I. D. 3 1/2 in.

Chlorides 20000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 in.

Jars: Make W.T.C. Serial Number 3660 Anchor Length 203 ft. Size 4 1/2 in. 1/2

Did Well Flow? — Reversed Out _____ Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 in.

Blow: Strong - GTS on 2nd OPEN. NOT MEASURABLE
FINAL FLOW

Recovered 2760 ft. of FREE GASSY OIL 0.1

Recovered 120 ft. of OIL CUT ~~BLOODY~~ ~~WATER~~ WATERY Mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

RECEIVED
SEP 23 1980

Time On Location 12:30 A.M. P.M. Time Pick Up Tool 4:00 A.M. P.M. Time Off Location A.M. P.M.

Time Set Packer(s) 7:00 A.M. P.M. Time Started Off Bottom 11:30 A.M. P.M. Maximum Temperature _____

Initial Hydrostatic Pressure		(A)	2077	P.S.I.		
Initial Flow Period	Minutes 30	(B)	177	P.S.I. to (C)	333	P.S.I.
Initial Closed In Period	Minutes 60	(D)	1581	P.S.I.		
Final Flow Period	Minutes 60	(E)	477	P.S.I. to (F)	776	P.S.I.
Final Closed In Period	Minutes 120	(G)	1570	P.S.I.		
Final Hydrostatic Pressure		(H)	2022	P.S.I.		

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Raymond Landes Larry Jones
Signature of Customer or his authorized representative

Western Representative Stuart Stoner

FIELD INVOICE

Open Hole Test	$ 600.00
Misrun	$
Straddle Test	$
Jars	$ 300.00
Selective Zone	$
Safety Joint	$ 50.00
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage 75	$ 56.25
Fluid Sampler	$
Extra Charts 9	$ 45.00
Insurance	$
TOTAL	$ 1051.25

WESTERN TESTING CO., INC.
Pressure Data

KRM

Date 9-21-80 Test Ticket No. 7578

Recorder No. 11018 Capacity 4425 Location 4221 Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2093 P.S.I.	Open Tool	12:30 PM	
B First Initial Flow Pressure	182 P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C First Final Flow Pressure	351 P.S.I.	Initial Closed-in Pressure	60 Mins.	54 Mins.
D Initial Closed-in Pressure	1599 P.S.I.	Second Flow Pressure	60 Mins.	55 Mins.
E Second Initial Flow Pressure	496 P.S.I.	Final Closed-in Pressure	120 Mins.	114 Mins.
F Second Final Flow Pressure	783 P.S.I.			
G Final Closed-in Pressure	1568 P.S.I.			
H Final Hydrostatic Mud	1998 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 5 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	182
P 2 5	193
P 3 10	240
P 4 15	264
P 5 20	309
P 6 25	351
P 7 30	
P 8 35	
P 9 40	
P10 45	
P11 50	
P12 55	
P13 60	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 18 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	351
3	830
6	1419
9	1483
12	1511
15	1533
18	1544
21	1555
24	1566
27	1570
30	1575
33	1579
36	1584
39	1588
42	1589
45	1590
48	1593
51	1595
54	1599
~~57~~ 60	

Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	496
5	491
10	507
15	533
20	560
25	593
30	626
35	660
40	692
45	726
50	750
55	783
60	
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 38 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	783
3	1222
6	1409
9	1447
12	1465
15	1480
18	1489
21	1504
24	1511
27	1518
30	1522
33	1526
36	1531
39	1535
42	1540
45	1541
48	1543
51	1546
54	1548
57	1550
60	1551

CON'T

WTC - 4

WESTERN TESTING CO., INC.

Pressure Data

KRM

Date _____ Test Ticket No. _____

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: ____ Inc.		Breakdown: ____ Inc.		Breakdown: ____ Inc.		Breakdown: ____ Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1		63				~~63~~	1552
P 2		66				~~66~~	1553
P 3		69				~~69~~	1554
P 4		72				~~72~~	1554
P 5		75				~~75~~	1555
P 6		78				~~78~~	1556
P 7		81				~~81~~	1558
P 8		84				~~84~~	1560
P 9		87				~~87~~	1562
P10		90				~~90~~	1564
P11		93				~~93~~	1565
P12		96				~~96~~	1566
P13		99				~~99~~	1567
P14		102				~~102~~	1568
P15		105				~~105~~	1568
P16		108				~~108~~	1568
P17		111				~~111~~	1568
P18		114				~~114~~	1568
P19		117				~~117~~	
P20		120				~~120~~	

Company K.R.M. Petroleum Corp. Lease & Well No. Girk #1

Elevation - Formation Douglas Effective Pay - Ft. Ticket No. 7578

Date 9-21-80 Sec. 36 Twp. 33S Range 20W County Comanche State Kansas

Test Approved by J. Copeland Landes Western Representative Stuart Stover

Formation Test No. 1 Interval Tested from 4216 ft. to 4419 ft. Total Depth 4419 ft.

Packer Depth 4211 ft. Size 6 3/4 in. Packer Depth 4216 ft. Size 6 3/4 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4221 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 4223 ft. Recorder Number 11019 Cap. 4500

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor X-Plor Drlg. (#1) Drill Collar Length 300 I. D. 2 1/4 in.

Mud Type Monpac Viscosity 38 Weight Pipe Length - I. D. - in.

Weight 9.1 Water Loss 54.6 cc. Drill Pipe Length 3890 I. D. 3 1/2 in.

Chlorides 20,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2 in.

Jars: Make W.T.C. Serial Number 3660 Anchor Length 203 ft. Size 4 1/2 in.

Did Well Flow? No Reversed Out - Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 in.

Blow: Strong blow throughout test. Gas to surface on final flow period. Gas to small to measure.

Recovered 2760 ft. of free gassy oil

Recovered 120 ft. of oil cut watery mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 7:00 ~~A.M.~~ P.M. Time Started Off Bottom 11:30 ~~A.M.~~ P.M. Maximum Temperature -

Initial Hydrostatic Pressure			(A)	2093	P.S.I.	
Initial Flow Period	Minutes 25	(B)	182	P.S.I. to (C)	351	P.S.I.
Initial Closed In Period	Minutes 54	(D)	1599	P.S.I.		
Final Flow Period	Minutes 55	(E)	496	P.S.I. to (F)	783	P.S.I.
Final Closed In Period	Minutes 114	(G)	1568	P.S.I.		
Final Hydrostatic Pressure		(H)	1998	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 9-21-80 Test Ticket No. 7578

Recorder No. 11018 Capacity 4425 Location 4221 Ft.

Clock No. - Elevation - Well Temperature - °F

Point		Pressure	
A	Initial Hydrostatic Mud	2093	P.S.I.
B	First Initial Flow Pressure	182	P.S.I.
C	First Final Flow Pressure	351	P.S.I.
D	Initial Closed-in Pressure	1599	P.S.I.
E	Second Initial Flow Pressure	496	P.S.I.
F	Second Final Flow Pressure	783	P.S.I.
G	Final Closed-in Pressure	1568	P.S.I.
H	Final Hydrostatic Mud	1998	P.S.I.

	Time Given	Time Computed
Open Tool	12:30P. M	
First Flow Pressure	30 Mins.	25 Mins.
Initial Closed-in Pressure	60 Mins.	54 Mins.
Second Flow Pressure	60 Mins.	55 Mins.
Final Closed-in Pressure	120 Mins.	114 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 5 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	182
P 2	5	193
P 3	10	240
P 4	15	264
P 5	20	309
P 6	25	351
P 7		
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 18 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	351
3	830
6	1419
9	1483
12	1511
15	1533
18	1544
21	1555
24	1566
27	1570
30	1575
33	1579
36	1584
39	1588
42	1589
45	1590
48	1593
51	1595
54	1599

Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	496
5	491
10	507
15	533
20	560
25	593
30	626
35	660
40	692
45	726
50	750
55	783

Final Shut-In
Breakdown: 38 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	783
3	1222
6	1409
9	1447
12	1465
15	1480
18	1489
21	1504
24	1511
27	1518
30	1522
33	1526
36	1531
39	1535
42	1540
45	1541
48	1543
51	1546
54	1548
57	1550
60	1551

Cont'd on next page

WESTERN TESTING CO., INC.

Pressure Data

Date 9-21-80 Test Ticket No. 7578

Recorder No. 11018 Capacity 4425 Location 4221 Ft

Clock No. - Elevation - Well Temperature - °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2093 P.S.I.	Open Tool		12:30P. M	
B	First Initial Flow Pressure	182 P.S.I.	First Flow Pressure		30 Mins.	25 Mins
C	First Final Flow Pressure	351 P.S.I.	Initial Closed-in Pressure		60 Mins.	54 Mins
D	Initial Closed-in Pressure	1599 P.S.I.	Second Flow Pressure		60 Mins.	55 Mins
E	Second Initial Flow Pressure	496 P.S.I.	Final Closed-in Pressure		120 Mins.	114 Mins
F	Second Final Flow Pressure	783 P.S.I.				
G	Final Closed-in Pressure	1568 P.S.I.				
H	Final Hydrostatic Mud	1998 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 5 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 18 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 0 Min.

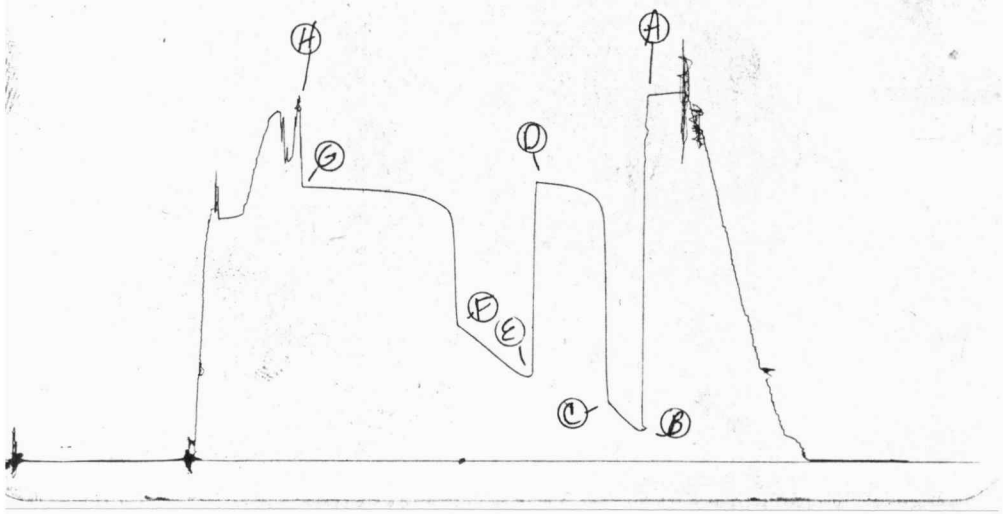
Final Shut-In
Breakdown: 38 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1552
P 2						66	1553
P 3						69	1554
P 4						72	1554
P 5						75	1555
P 6						78	1556
P 7						81	1558
P 8						84	1560
P 9						87	1562
P10						90	1564
P11						93	1565
P12						96	1566
P13						99	1567
P14						102	1568
P15						105	1568
P16						108	1568
P17						111	1568
P18						114	1568
P19							
P20							

11018-7578

JK # 7578

I



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET Nº 6864

P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

Elevation _____ Formation Swope Eff. Pay _____ Ft.

District Pratt Date 9-24-80 Customer Order No. _____

COMPANY NAME K. R. M. Corporation

ADDRESS _____

LEASE AND WELL NO. Sick #1 COUNTY Comanche STATE Kans Sec. 36 Twp. 33S Rge. 20W OK

Mail Invoice To Same No. Copies Requested Leg
Co. Name Address

Mail Charts To Same No. Copies Requested Distribution Leg
Address

Formation Test No. 2 Interval Tested from 4789 ft. to 4804 ft. Total Depth 4804 ft.

Packer Depth 4784 ft.	Size 6 3/4 in.	Packer Depth — ft.	Size — in.
Packer Depth 4789 ft.	Size 6 3/4 in.	Packer Depth — ft.	Size — in.
Depth of Selective Zone Set 4797			
Top Recorder Depth (Inside) ~~4789~~ ft.		Recorder Number 2606	Cap. 4150
Bottom Recorder Depth (Outside) 4806 ft.		Recorder Number 4332	Cap. 4200
Below Straddle Recorder Depth — ft.		Recorder Number —	Cap. —

Drilling Contractor X-Plore Drlg		Drill Collar Length 488	I. D. 2 1/4 in.
Mud Type Chem. Mon-Gel Viscosity 48		Weight Pipe Length —	I. D. — in.
Weight 9.5 Water Loss 8.0 cc.		Drill Pipe Length 4273	I. D. 3.8 in.
Chlorides 24,000 P.P.M.		Test Tool Length 28 ft.	Tool Size 5 1/2 OD in.
Jars: Make WTC Serial Number 411		Anchor Length ~~45~~ 15 ft.	Size 3 1/2 OD in.
Did Well Flow? No Reversed Out No		Surface Choke Size 3/4 in.	Bottom Choke Size 3/4 in.
		Main Hole Size 7 7/8 in.	Tool Joint Size 4 1/2 FH in.

Blow: Strong blow initial flow period gas to surface in 7 minutes See flow Chart

Recovered 30 ft. of Gas & oil cut mud
Recovered ____ ft. of
Recovered 120 ft. of Grassy oil
Recovered ____ ft. of
Recovered ____ ft. of
Remarks: _____

RECEIVED
SEP 26 1980

On loc 8:30 AM tool up 10:30 AM tool down 8:00 P.M off loc P.M

Time Set Packer(s) 1:35 A.M. P.M.	Time Started Off Bottom 5:05 A.M. P.M.			Maximum Temperature 124°F	
Initial Hydrostatic Pressure		(A) 2365	P.S.I.		
Initial Flow Period	Minutes 30	(B) 72	P.S.I. to (C)	52	P.S.I.
Initial Closed In Period	Minutes 60	(D) 779	P.S.I.		
Final Flow Period	Minutes 60	(E) 72	P.S.I. to (F)	52	P.S.I.
Final Closed In Period	Minutes 60	(G) 779	P.S.I.		
Final Hydrostatic Pressure		(H) 2323	P.S.I.		

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Copeland Landes
Signature of Customer or his authorized representative

Western Representative Rod Tritt Thank you

FIELD INVOICE

Open Hole Test	$ 600.00
Misrun	$
Straddle Test	$
Jars	$ 800.00
Selective Zone	$
Safety Joint	$ 50.00
Standby	$
Evaluation	$
Extra Packer	$
Circ. Sub.	$
Mileage 80 miles	$ 60.00 (60
Fluid Sampler	$
9 Extra Charts @ 5.00	$ 45.00
TOTAL	$ 1055.00

Phone 316 838-0601

WESTERN TESTERS

P. O. Box 1599
WICHITA, KANSAS 67201

GAS FLOW REPORT

Nº 2069

Date 9-24-80 Ticket 4864 Company KRM

Well Name and No. DIRR #1 Dst No. 2 Interval Tested 4787-4804

County Comanche State Kansas Sec. 36 Twp. 33s Rg. 20w

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
	Inches of Water				**PRE FLOW**
~~0~~ 7	~~0~~	3/4			gas to surface
10	45				96,300 MCFPD
20	54				103,000
30	50				100,000
	Inches of Water				**SECOND FLOW**
10	57	3/4			107,000 MCFPD
20	50				100,000
30	46				96,300
40	46				96,300
50	48				98,400
60	48				98,400

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME _____

Authorized by _____

FORM WTC 9

WESTERN TESTING CO., INC.
Pressure Data

Date 9-24-80 Test Ticket No. 6864

Recorder No. 2606 Capacity 4150 Location 4797 Ft.

Clock No. _____ Elevation _____ Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2359 P.S.I.	Open Tool	1:35 PM	
B First Initial Flow Pressure	67 P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C First Final Flow Pressure	62 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	780 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	79 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	66 P.S.I.			
G Final Closed-in Pressure	773 P.S.I.			
H Final Hydrostatic Mud	2326 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 5 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	67
P 2	5	66
P 3	10	64
P 4	15	64
P 5	20	63
P 6	25	62
P 7	30	
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	62
3	593
6	713
9	742
12	756
15	765
18	767
21	769
24	771
27	772
30	773
33	
36	
39	
42	
45	773
48	777
51	778
54	779
57	780
60	780

Second Flow Pressure
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	79
5	69
10	69
15	68
20	68
25	
30	
35	
40	68
45	66
50	
55	
60	66
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	66
3	577
6	693
9	728
12	742
15	746
18	755
21	759
24	759
27	761
30	763
33	765
36	767
39	769
42	771
45	773
48	
51	
54	
57	
60	773

Company K.R. M. Petroleum Corporation Lease & Well No. Girk #1

Elevation ----- Formation Swope Effective Pay ---- Ft. Ticket No. 6864

Date 9/24/80 Sec. 36 Twp. 33S Range 20W County Comanche State Kansas

Test Approved by J. Copeland Landes Western Representative Rod Tritt

Formation Test No. 2 Interval Tested from 4789 ft. to 4804 ft. Total Depth 4804 ft.

Packer Depth 4784 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4787 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4797 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 4800 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Xplor Drilling Drill Collar Length 488 I. D. 2¼ in.

Mud Type premix-monpac Viscosity 48 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 4273 I. D. 3.8 in.

Chlorides 26,000 P.P.M. Test Tool Length 28 ft. Tool Size 5½OD in.

Jars: Make WTC Serial Number 411 Anchor Length 15 ft. Size 5½OD in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½FH in.

Blow: Strong blow initial flow period. Gas to surface in seven minutes. See attached sheet for gas measurements.

Recovered 30 ft. of gas and oil cut mud

Recovered 120 ft. of gassy oil

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:35 ~~A.M.~~ P.M. Time Started Off Bottom 5:05 ~~A.M.~~ P.M. Maximum Temperature 124°

Initial Hydrostatic Pressure ..... (A) 2359 P.S.I.

Initial Flow Period ..... Minutes 25 (B) 67 P.S.I. to (C) 62 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 780 P.S.I.

Final Flow Period ..... Minutes 60 (E) 79 P.S.I. to (F) 66 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 773 P.S.I.

Final Hydrostatic Pressure ..... (H) 2326 P.S.I.

GAS FLOW REPORT

Date 9/24/80 Ticket 6864 Company K. R.M Petroleum Corporation

Well Name and No. Girk #1 Dst No. 2 Interval Tested 4789'-4804'

County Comanche State Kansas Sec. 36 Twp. 33S Rg. 20W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
			PRE FLOW			
	7 min.			3/4" orifice		Gas to surface
	10 min.	45" of water		3/4" orifice		96,300 CFPD
	20 min.	54" of water		3/4" orifice		103,000 CFPD
	30 min.	50" of water		3/4" orifice		100,000 CFPD
			SECOND FLOW			
	10 min.	57" of water		3/4" orifice		107,000 CFPD
	20 min.	50" of water		3/4" orifice		100,000 CFPD
	30 min.	46" of water		3/4" orifice		96,300 CFPD
	40 min.	46" of water		3/4" orifice		96,300 CFPD
	50 min.	48" of water		3/4" orifice		98,400 CFPD
	60 min.	48" of water		3/4" orifice		98,400 CFPD

GAS BOTTLE

Serial No. --- Date Bottle Filled --- Date to be Invoiced 9/24/80

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME K. R. M. Petroleum Corporation

Authorized by J. Copeland Landes

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 9-24-80 Test Ticket No. 6864

Recorder No. 2606 Capacity 4150 Location 4797 Ft.

Clock No. --------- Elevation ---------- Well Temperature 124 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2359	P.S.I.	Open Tool	1:35 P M	
B	First Initial Flow Pressure	67	P.S.I.	First Flow Pressure	30 Mins.	25 Mins.
C	First Final Flow Pressure	62	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	780	P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	79	P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	66	P.S.I.			
G	Final Closed-in Pressure	773	P.S.I.			
H	Final Hydrostatic Mud	2326	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 5 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	67
P 2 5	66
P 3 10	64
P 4 15	64
P 5 20	63
P 6 25	62
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	62
3	593
6	713
9	742
12	756
15	765
18	767
21	769
24	771
27	772
30	773
33	773
36	773
39	773
42	773
45	773
48	777
51	778
54	779
57	780
60	780

Second Flow Pressure
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	79
5	69
10	69
15	68
20	68
25	68
30	68
35	68
40	68
45	66
50	66
55	66
60	66
65	
70	
75	
80	
85	
90	

Final Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	66
3	577
6	693
9	728
12	742
15	746
18	755
21	759
24	759
27	761
30	763
33	765
36	767
39	769
42	771
45	773
48	773
51	773
54	773
57	773
60	773

2606 DST #2

JK # 6864

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